

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE
PATENT APPLICATION

5 Entitled : AN INTERVERTEBRAL DISK PROSTHESIS

Inventors :

Assignee :

10

ABSTRACT OF THE DISCLOSURE

15 The invention provides an intervertebral disk
prosthesis. The prosthesis comprises:

· a first fixing element having both an anchoring
first face for anchoring in one of the vertebrae and a
co-operation second face;

20 · a second fixing element having both an anchoring
first face for anchoring in the other vertebrae and a co-
operation second face;

· a first prosthesis element having both an active
first face and a co-operation second face, said co-
25 operation faces of the first fixing element and of the
first prosthesis element serving to fasten the two
elements together;

· a second prosthesis element having both an active
first face and a co-operation second face, said co-
30 operation faces of the second fixing element and of the
second prosthesis element serving to fasten the two
elements together; and

· each of said active faces of the prosthesis
elements defining at least a portion of a spherical cap
35 that is respectively concave or convex.